Geometry honors problem sets

Coordinate geometry 2

*Supply the missing coordinates without introducing any new variables.*

1. POST is a square 2. Parallelogram

3. Isosceles trapezoid



4. Use the diagram below to prove the median of a trapezoid:

a) is parallel to the bases

 b) has a length equal to the average of the base lengths

5. Prove that the figure formed by joining, in order, the midpoints of the sides of quadrilateral ROST is

 a parallelogram.